CLAIMS

1   1. A method for error processing and reporting during validation of a business

2   document in a client-server environment, the method including:

3   accessing a first self-describing, structured document having a document type;

4   validating the first document against a schema corresponding to the document

5   type;

6   generating a second self-describing, structured document including, for any

7   detected errors,

8   at least one error identifier; and

9   a path specification identifying a node within the primary document

10   corresponding to the detected error;

11   applying a declarative transformation to the first and second documents,

12   producing a user interface character string, including a plurality of

13   path specifications for nodes in the first document; and

14   values for nodes in the first document; and

15   at least one error message corresponding to the at least one error identifier; and

16   transmitting the user interface character string.

1   2. The method of claim 1, wherein the schema is compliant with any version of

2   a SOX standard.

1   3. The method of claim 2, further including validating the first document against

2   a set of business processing rules and generating a third self-describing, structured

3   document, wherein the declarative transformation is further applied to the third

4   document.

1   4. The method of claim 1, wherein the declarative transformation is compliant

2 with an XSLT standard.

1   5. The method of claim 3, wherein the declarative transformation is compliant

2 with an XSLT standard.

1   6. The method of claim 1, wherein the user interface character string is

2 compliant with an HTML standard.

1   7. The method of claim 3, wherein the user interface character string is

2 compliant with an HTML standard.

1   8. The method of claim 5, wherein the user interface character string is

2 compliant with an HTML standard.

1   9. The method of claim 1, wherein the user interface character string is

2 compliant with an XML standard.

1   10. The method of claim 3, wherein the user interface character string is

2 compliant with an XML standard.

1   11. The method of claim 5, wherein the user interface character string is

2 compliant with an XML standard.

3   12. A method for error processing and reporting during validation of a business

2 document in a client-server environment, the method including:

3   accessing a first self-describing, structured document having a document type;

4   validating the first document against a set of business processing rules applicable

5   to the document type and an intended recipient of the first document;

6   generating a second self-describing, structured document including, for any

7   detected errors,

8   at least one error identifier; and

9   a path specification identifying a node within the primary document

10   corresponding to the detected error;

11   applying a declarative transformation to the first and second documents,

12   producing a user interface character string, including a plurality of

13   path specifications for nodes in the first document; and

14   values for nodes in the first document; and

15   at least one error message corresponding to the at least one error identifier; and

16   transmitting the user interface character string.

1   13. The method of claim 12, wherein the business processing rules are

2   Schematron-compliant.

1   14. The method of claim 12, wherein the declarative transformation is compliant

2   with an XSLT standard.

1   15. The method of claim 13, wherein the declarative transformation is compliant

2   with an XSLT standard.

1   16. The method of claim 12, wherein the user interface character string is

2   compliant with an HTML standard.

1   17. The method of claim 13, wherein the user interface character string is

2   compliant with an HTML standard.

1   18. The method of claim 15, wherein the user interface character string is

2   compliant with an HTML standard.

1   19. The method of claim 12, wherein the user interface character string is

2   compliant with an XML standard.

1   20. The method of claim 13, wherein the user interface character string is

2   compliant with an XML standard.

1   21. The method of claim 15, wherein the user interface character string is

2   compliant with an XML standard.

3